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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,038	03/18/2004	Tomohiro Mori	119134	5624

25944 7590 02/02/2007  
OLIFF & BERRIDGE, PLC  
P.O. BOX 19928  
ALEXANDRIA, VA 22320

EXAMINER
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RENDON, CHRISTIAN E

ART UNIT	PAPER NUMBER
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3714

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/02/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

## Office Action Summary

Application No.

10/803,038

Applicant(s)

MORI ET AL.

Examiner

Christian E. Rendón

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 03-18-04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

1. This office action is in response to the amendment filed on May 15, 2006 in which applicant amends claims 1, 8, 15, and 16-20, and responds to claim rejections. Claims 1-20 are still pending.

### ***Claim Rejections - 35 USC § 102***

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 8-10 and 13-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Harima (US 6,623,358 B2).

2. Harima discloses a game apparatus loaded with a computer program stored on storage medium that displays a plurality of characters fighting with one another (Harima: Abstract). Special effects called hit effects are displayed every time an attack 'lands' or makes contact with the other character (Harima: col. 2, line 10). The hit effects are use to display where the hit 'landed' (Harima: col. 2, line 14) and the effects can vary depending on the strength of the attack (Harima: col. 2, lines 50-51). For example, the color of the hit effects depends on the technique of the attack (Harima: col. 3, line 58). Harima also discloses special effects that occur when an attack is being performed, like the motion of a kick in one direction and rays of light behind the kick shooting out in the other direction (Harima: Figure 5, element 2-1). Changing the transparency of the effects is another disclosed special effect that occurs when a hit is detected (Harima: col. 3, line 7). As a character reels back from a 'landed' attack, the transparency effect increases to allow the effects to fade away.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4-6 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harima (US 6,623,358 B2) in view of Pearce (US 6,211,882 B1).

3. The above rejection to claim 1 still applies but fails to disclose the following limitations. Pearce discloses a method for simulating the motion blur of a polygon (Pearce: Abstract). Regarding claims 5-6 and 11, the movement of a polygon in 3D space is mapped through a set of motion vectors (Pearce: col. 3, line 25). A polygon is described in at least two positions, shutter-open (initial position) and shutter-close (final position) and in-between these two positions are polygons created by enough sampling points to provide a sufficient approximation of the color and intensity (Pearce: col. 3, line 66). When multiple polygons are moving as a group, the visible and non-visible polygons that are intersecting one another are analyzed separately due to memory considerations (Pearce: col. 6, lines 23-28). It is inherent that the viewpoint of the polygon during the simulated motion blur is dependent on the motion that is occurring therefore, the final viewpoint can be different from the initial or predetermined viewpoint. It would have been obvious to one of ordinary skill in the art to combine the art disclosed by Harima with the method disclosed by Pearce in order to create another interesting and entertaining special effect that can occur every time a hit is detected.

4. Regarding claim 4, Harima fails to disclose a decrease in transparency as the distance between the effects and the first object becomes shorter. Pearce discloses a special effect that gives a viewer the impression that an object has moved very quickly. This effect is called

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simulated motion blur and inherently decreases the transparency of the sampled polygons, the effects, as they merge into the object at its final position, in other words the distance between the effects and the object decreases. As discussed above, the motivation to combine these two references is to increase the entertainment value of the art disclosed by Harima by expanding on previously disclosed special effects.

5. Regarding claims 7 and 12, Pearce discloses that the object that is moving in 3D space is tessellated into a polygon (Pearce: col. 3, line 25). In other words, the object is created by a group of smaller polygons. Therefore, Pearce discloses a plurality of parts that can operate accordingly and appropriately to the current situation. As discussed above, the motivation to combine these two references is to increase the entertainment value of the art disclosed by Harima by adding another special effect. This combination would also result in the ability for the program to have different attack regions that can react differently and realistically to once again increase the entertainment value.

### ***Response to Arguments***

6. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until

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after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian E. Rendón whose telephone number is 571-272-3117. The examiner can normally be reached on 9 - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Xuan M. Thai can be reached on 571-272-7147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christian E Rendón  
Examiner  
Art Unit 3714

CER

*Ronald Brown*  
Primary Examiner  
11/31/07